

## Borstar pipe grades–Approvals and Certifications

Borstar pipe grades comply with specifications according to ISO and EN standards on PE gas and water piping. This quality compliance is the reason for Borstar pipe grades being widely accepted and approved by end-users in many countries.

Compliance with type testing requirements prescribed in the ISO and EN standards, certified by accredited laboratories is as follows:

Grade	PE Gas & Water Piping Standards	Certification body	Critical Type Test
<b>Borstar HE3490-LS</b>	EN12201	Bodycote Polymers AB	MRS classification
	EN1555 ISO 4427 ISO 4437	SP Swedish National Testing and Research Institute	SCG RCP
<b>Borstar HE3470-LS</b>	EN12201	Bodycote Polymers AB	MRS classification
	EN1555 ISO 4427 ISO 4437	SP Swedish National Testing and Research Institute	SCG RCP
<b>Borstar ME3440</b>	EN12201	Bodycote Polymers AB	MRS classification
	EN1555 ISO 4427 ISO 4437	SP Swedish National Testing and Research Institute	SCG RCP

Meeting the pre-requisite of certification according to ISO and EN gas and water piping standards, Borstar pipe grades are widely accepted and approved by end-users, industry association and national approval bodies in many countries.

Country	Application	Approving body	Grade	Type	Year
Australia	Gas and Water	Plastics Industry Pipe Association of Australia Limited, PIPA	<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80B	2003
			<b>Borstar ME3440</b>	PE80B	2003
China	Pipe coating	CNPC	<b>Borcoat HE3450</b>	Pipe coating	2003
	Gas & water Pipe	Conformance to National Standards	<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
Egypt	Pipe coating	Petrojet – pipe coating	<b>Borcoat HE3450 &amp; MEO420</b>	Pipe coating	2003
	Gas & water Pipe		<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
India	Pipe coating	EIL	<b>Borcoat HE3450 &amp; MEO420</b>	Pipe coating	2003
		Conformance to National Standards	<b>Borstar HE3490-LS</b>	PE100	
			<b>Borstar HE3470-LS</b>	PE80	
			<b>Borstar ME3440</b>	PE80	
Iran	Pipe coating	NIGC – NIOC	<b>Borcoat HE3450 &amp; MEO420</b>	Pipe coating	2002
	Gas	NIGC	<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
Malaysia	Gas and Water Pipe	SIRIM	<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003

Country	Application	Approving body	Grade	Type	Year
Pakistan	Gas		<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
Vietnam	Gas & water Pipe		<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
Kingdom of Saudi Arabia	Gas & water Pipe		<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	PE80	2003
UAE	Gas & water Pipe		<b>Borstar HE3490-LS</b>	PE100	2003
			<b>Borstar HE3470-LS</b>	PE80	2003
			<b>Borstar ME3440</b>	<b>PE80</b>	<b>2003</b>