

Rigidex® K38-20

Medium Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

Rigidex® K38-20 is a medium-density polyethylene copolymer designed for the extrusion of non pressure pipe. Rigidex® K38-20 is also suitable for blown film extrusion.

Characteristics:

Natural medium density polyethylene with high stress crack resistance and broad molecular weight distribution.

Applications:

Non pressure pipes, corrugated pipes, conduits

Blown film (as pure, in blend or co-extrusion)

General Information

Features	Copolymer Good Crack Resistance Medium Density Wide Molecular Weight Distribution
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Uses	Coating Applications Film Piping
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RoHS Compliance	Contact Manufacturer
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Appearance	Natural Color
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Forms	Pellets
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Processing Method	Blown Film Coextruded Film Extrusion Pipe Extrusion
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Physical	Nominal Value	Unit	Test Method
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Density	0.938	g/cm ³	ISO 1183/A
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Melt Mass-Flow Rate (MFR)			ISO 1133
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190°C/2.16 kg	0.20	g/10 min	
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190°C/5.0 kg	0.85	g/10 min	
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Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693B
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Mechanical	Nominal Value	Unit	Test Method
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Tensile Modulus (23°C)	600	MPa	ISO 527-2/1
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Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2/50
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Tensile Strain (Break, 23°C)	> 350	%	ISO 527-2/50
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Thermal	Nominal Value	Unit	Test Method
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Vicat Softening Temperature	121	°C	ISO 306/A
Melting Temperature	127	°C	Internal Method

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