



Rigidex® K 38-20

Product Technical Information

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)

Properties	Test Method	Value	Units
Physical			
Density	ISO 1183/A	938	kg/m ³
Melt Flow Rate (5 kg/190°C)	ISO 1133	0.85	g/10min
Melt Flow Rate (2.16 kg/190°C)	ISO 1133	0.20	g/10min
Melting temperature	INEOS method	127	°C
Vicat Softening temperature	ISO 306 method A	121	°C
Mechanical (measured on plate)			
Tensile Strength @ Yield (23°C @ 50 mm/min)	ISO 527-2	19	MPa
Tensile Elongation @ Break (23°C @ 50 mm/min)	ISO 527-2	> 350	%
Tensile Modulus (23°C @ 1mm/min)	ISO 527-2	600	MPa
Environmental Stress Crack Resistance	ASTM D 1693B	>1000	h

The values given are typical values measured on the product. These values should not be considered as specifications.