

Borealis BorPEX™ ME2592 Medium Density Polyethylene Compound for Crosslinked Pipes (Pex-C (Irradiation))

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

BorPEXME2592 is a natural, high molecular weight, medium density polyethylene for crosslinkable pipes with excellent flexibility. The compound is especially designed for electron beam irradiation crosslinking. The stabilization package is optimized for good processability, easy crosslinking as well as service at high temperatures. Crosslinkable pipes based on BorPEX ME2592 are recommended for floor heating, radiator connections and for domestic hot and cold water supply. Pipes made from BorPEX ME2592 meet drinking water requirements and DIN 16 894 (MD-PEX pipes)Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BorPEX-ME2592-Medium-Density-Polyethylene-Compound-for-Crosslinked-Pipes-Pex-C-Irradiation.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	Base Resin; ISO 1183
Oxidative Induction Time (OIT)	>= 40 min	>= 40 min	210°C; EN 728/Al cup
High Load Melt Index	10 g/10 min @Load 21.6 kg, Temperature 190 °C	10 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.00 MPa	3191 psi	At 50 mm/min; ISO 527
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	0.840 GPa	122 ksi	ISO 527-2
Flexural Modulus	0.680 GPa	98.6 ksi	At 2 mm/min; ISO 178

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