

Addcomp PRIEX® Ionomer 45101 PP random copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Ionomers will be used to strengthen rigidity and hardness while maintaining impact resistance in polyolefins. Maintain adhesion even under contaminated conditions especially in fatty substrates. Reduce thickness in multi-layer films or pipes. Increase elongation resistance in polyolefin fibers. Act as a nucleating agent in polyolefins. Enhance creep resistance in pipes. Reinforce strain hardening in polyolefins. Improve compatibility between different polymers. Increase oxidation resistance in polyolefins. Information provided by Addcomp Polymer Additive Solutions

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addcomp-PRIEX-Ionomer-45101-PP-random-copolymer.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	
Elongation at Break	>= 600 %	>= 600 %	
Tensile Modulus	0.800 - 0.900 GPa	116 - 131 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	135 - 137 °C	275 - 279 °F	
Crystallization Temperature	93.0 - 97.0 °C	199 - 207 °F	
Deflection Temperature at 0.46 MPa (66 psi)	77.0 °C	171 °F	

Descriptive Properties	Value	Comments
Oxygen induction time	>80 min	

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