

ICORENE® N2004

Ethylene-based Plastomer

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE N2004 is an ethylene based octene plastomer produced using a metallocene catalyst.

ICORENE® N2004 is designed for applications requiring excellent flow, high flexibility, outstanding toughness and excellent low temperature impact.

General Information			
Features	Good Flexibility		
	Good Toughness		
	High Flow		
	Low Temperature Impact Resistance		
	Octene Comonomer		
Uses	Carpet Backing		
	Color Concentrates		
	Masterbatch		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	34		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	13.0	MPa	ASTM D638
Tensile Elongation (Break)	1300	%	ASTM D638
Flexural Modulus	67.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ASTM D1525
Peak Melting Temperature	97.0	°C	ASTM D3418

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