

HOPELEN FR-160U

Polypropylene Homopolymer

Lotte Chemical Corporation

Message:

FR-160U is a medium melt flow rate resin with a narrow molecular weight distribution homopolymer. It is ideally suited for woven & nonwoven application including staple fiber as well as continuous filament yarn and fiber. This product contains no peroxide or peroxide decomposition by-products. It is formulated with an anti-gasfading stabilisation and weatherability(UV stabilizer agent) package

General Information			
Additive	Anti-gas fading UV Stabilizer		
Features	Gas-fading Resistant Homopolymer Narrow Molecular Weight Distribution		
Uses	BCF Yarn Filaments Nonwovens Staple Fibers		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525

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