UZ-KOR GAS CHEMICAL

FR-160 UGCC Homo Polypropylene (Fiber grade)

Description

FR-160 is a medium melt flow rate resin with a narrow molecular weight distribution homo polymer. It is ideally suited for woven & nonwoven application including staple fiber as well as continuous filament yarn and high tenacity fiber. This product contains no peroxide or peroxide decomposition by-products. It is formulated with an anti-gas fading stabilization package

Application

Multifilament, belt

Physical Properties*			
Physical	**Testing methods**	**Nominal values**	
Density (by Gradient technique)	ASTM D 1505	gr/cm^3	0.85-0.95
Melt Flow Rate	ASTM D 1238	g/10min	15-19
Mechanical			
Tensile Strength at Yield, min.	ASTM D 638	$kg\ f/cm^2$	300
Elongation at Break, min.	ASTM D 638	%	100
Flexural Modulus, min.	ASTM D 790	$kg\ f/cm^2$	13500
Impact			
Notched Izod Impact Strength (23 ^{0}C), min.	ASTM D 256	kg f cm/cm	3.0
Notched Izod Impact Strength (-10 ^{0}C), min.	ASTM D 256	kg f cm/cm	-
Thermal			
Heat Deflection Temperature (4.6 kgf/cm^2), min.	ASTM D 648	^{0}C	100
Vicat Softening Point	ASTM D 1525	^{0}C	150

Note: Above data are based on information provided by Licensor and it is not to be construed as specifications, the latest exact data can be obtained from Uz-Kor Gas Chemical Central Plant Laboratory

Manufacturer website: https://uz-kor.com/