



آرمین پلیمر تهران
Armin Polymer Tehran

TECHNICAL DATA SHEET HP552R

HP552R is a high melt flow homopolymer with good flow properties and is particularly suitable for the production of CF, BCF, and fine denier staple fibers at medium to high spinning speeds and exhibits excellent antigasfading properties.

HP552R is suitable for nonwoven fabrics. Another for straps for backpacks, sport bags, bulk bags, and for safety belts. Bulk continuous filament for minimum tenacity are also suited for bulk continuous filament for carpets.

Properties	Method	Unit	Typical Value
Physical properties			
Melt Flow Rate (230°C, 2.16 kg)	ISO 1133	dg/min	25
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural Modulus	ISO 178	N/mm ²	1500
Tensile Strength yield	ISO R 527	N/mm ²	32
Tensile Strength yield	ISO R 527	%	13
Elongation at yield	ISO R 527	%	13
IZOD impact strength(notched) at 23°C	ISO 180	kJ/m ²	30
Rockwell Hardness R Scale	ISO 868	Points	100
Thermal properties			
Vicat softening point (10N)	ISO 306/A	°C	152
H.D.T. (0.46 Mpa)	ISO 75/B	°C	94

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