



552R Datasheet

Description:	552R is a high melt flow homo-polymer polypropylene for the production of CF, BCF and staple fibres at medium to high spinning speeds. 552R with an excellent anti-gas fading package offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibres.
Typical Applications:	552R is suitable for low denier staple fibres for non-woven fabrics, diapers, medical sanitary applications and wipes. Another typical application is high tenacity continuous filament for straps for backpacks, handles for big and safety belts. Continuous filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing. 552R is also suited for the production of bulked continuous filament for thermo bonding and carpets. 552R is suitable for food contact

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Melt Flow Rate (230 °C, 2.16kg)	25	g/10min	ASTM D1238/L
Flexural Modulus	1500	MPa	ASTM D790
Notched Izod Impact at 23 °C	30	J/M	ASTM D256
Tensile Strength at Yield	32	MPa	ASTM D638
Elongation at Yield	13	%	ASTM D638
Vicat softening point (10N)	125	°C	ASTM D1525
H.D.T. (0.46N/mm ²)	94	°C	ASTM D648
Rockwell Hardness	100	R Scale	ASTM D785
Oven Aging at 150 °C	150	Hours	ASTM D3012



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