

# Technical Data Sheet



## RT 53780

Description Ethylene-propylene-(1-butene) terpolymer  
Features High viscosity, low softening point  
Applications Component of hot melt adhesives, sealants, and specialty products  
Hygiene, Bookbinding, Carpet, Shoes

Property	Min	Max	Unit	Test Method
Melt Viscosity at 190 °C	6,500	9,500	[cP]	ASTM D 3236
Ring and ball softening point	101	109	[°C]	ASTM E 28
Needle penetration	15	23	[dmm]	ASTM D 1321
Yellow Index	-	10	[-]	ASTM D 1321

Property	Value		Unit	Test Method
Glass transition temperature	-33		[°C]	D-REX Method
Tensile strength	1.7		[MPa]	D-REX Method
Elongation	550		[%]	D-REX Method
Open time	40		[s]	D-REX Method
Mw / Mn (PDI)	54,500 / 14,500 (3.8)		[g/mol (-)]	D-REX Method
Shear adhesion failure temperature	93		[°C]	D-REX Method

This product conforms to FDA regulation 21 CFR 175.105

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suitable, and the information is applicable to the user's specific application.