

Regal Komatt

PROPERTY ~ UNITS	TYPICAL VALUE	TEST METHOD
Specific Gravity	1.27	ASTM D 792
Deflection Temperature		
@ 1.82 MPa (246 psi), C (F)	63 (145)	ASTM D 648
@ 455 kPa (66 psi), C (F)	70 (158)	
Vicat Softening Temperature C (F)	82 (180)	ASTM D 1525
Tensile Strength @ Break		ASTM D 638
MPa	28	
psi	4000	
Tensile Strength @ Yield		
MPa	50	
psi	7300	
Elongation @ Break, %	130	
Modulus of Elasticity in Bending		ASTM D 790
MPa	2000	
10 ⁵ psi	2.9	
Flexural Strength		
MPa	69	
psi	10,000	
Rockwell Hardness, R Scale	105	ASTM D 785
Impact Strength		ASTM D 256
Notched Izod @ 23C (73F)		
J/m	91	
ft.lbf/in.	1.7	
Notched Izod @ -40C (-40F)		
J/m	37	
ft.lbf/in.	0.7	
Unnotched Izod @ 23C (73F)		ASTM D 4812
J/m	NB*	
ft.lbf/in.	NB*	
Unnotched Izod @ -40C (-40F)		
J/m	NB*	
ft.lbf/in.	NB*	
Impact Resistance (Puncture) @ -40C (-40F), [3.2mm (1/8 in.) Thick], Energy @ Maximum Load		ASTM D 3763
J	50	
ft.lbf	37	

~ Unless noted all tests are run @ 23C (73F) and 50% relative humidity.

* Nonbreak as defined by ASTM D 4812 using J/m (80 ft.lbf/in.) capacity pendulum with 3.2 mm specimens.