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Specification for EPR27

DESCRIPTION	UNIT	TEST STANDARD	CONDITION	GRADE
R.V.		QB	DISSOLVED	2.67+/-0.03
BLACK SPECKS	%	QB	DRY	0.017 MAX.
WATER CONTENT	PPM	GB 12006.2-89	DRY	/
TENSILE STRENGTH	MPa	ISO527	DRY	80.2
TENSILE MODULUS	GPa	ISO527	DRY	2.5
ELONGATION AT BREAK	%	ISO527	DRY	35.2
FLEXURAL STRENGTH	MPa	ISO178	DRY	71.8
FLEXURAL MODULUS	GPa	ISO178	DRY	1.8
CHARPY IMPACT STRENGTH	KJ/m ²	ISO179/1eU	DRY	UNBROKEN
CHARPY NOTCHED IMPACT STRENGTH	KJ/m ²	ISO179/1eA	DRY	9.1
IZOD NOTCHED IMPACT STRENGTH	KJ/m ²	ISO180/1A	DRY	7.9
MELT FLOW RATE	g/10min	ISO1133	DRY	10.8
MELTING RANGE	°C	ISO3146	DRY	252-260
HEAT DEFLECTION TEMPERATURE	°C	ISO75	1.80MPa	82.9
LINEAR EXPANSION COEFFICIENT	10-5K	ASTMD696	DRY	7.5
VOLUME RESISTIVITY	Ω.m	GB/T1410	DRY	1.3*10 ¹⁴
Dielectric strength	MV/m	GB/T1408	DRY	17.3
FLAMMIBILITY		UL94		V-2