

ES-3-204

■ **Outline:** ES-3-204 is a glass fiber 30% reinforced polyphenylene sulfide compound with reduced flash and improved flexibility compared to conventional grades.

■ **Color:** Black and Natural (Brown).

Engineering Properties of ES-3-204

Properties	Unit	Test Method	ES-3-204
General Information		<ASTM>	GF-30%
Physical			
Specific gravity	Kg/m ³	D792	1.56
Molding shrinkage	%	D955	0.3
Water absorption, (23°C /24Hrs)	Wt. %	570	0.02
Mechanical			
Tensile strength	MPa	D638	145
Tensile elongation at break	%	D638	2.2
Flexural strength	MPa	D790	230
Izod impact strength	kJ/m ²	D256	10
Thermal			
HDT, 1.82MPa	°C	D648	255
UL Flammability (0.8mm)		UL-94	V-0
Electrical			
Volume resistibility	Ω·cm	D257	1.5 x 10 ¹⁵
Dielectric constant	1KHZ	D150	4.2
Dissipation factor	1KHZ	D150	0.002
Dielectric strength	kV/mm	D149	20



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