

## Toughing agent Test Report

Production batches :	20230101	Product name :	Toughing agent	
Date of survey:	01.01.2023	Product description:	Transparent granule	
Weight:	20KG	Guarantee period:	Two years	
Test Results				
Test item		Request of Technique Data	Test Results	
Appearance	color	Transparent, uniformity	Qualified	
	shape	The grains are cylindrical	Qualified	
	size	The particle size should be 2-5mm in any direction	2-5mm	
	cleanliness	The number of pollution particles with particle size of 200-500um $\leq$ 20 particles/kg		2 particles/kg
		Particle size $\geq$ The number of pollution particles in 500um $\leq$ 5 particles/kg		0 particles/kg
physical properties	MFR(melt flow rate)	5.00 $\pm$ 2.00g/10min (230 $^{\circ}$ C/2.16kg)	5.36g/10min	
	tensile strength	$\geq$ 10.0MPa	15.7MPa	
	impact strength	$\geq$ 40.0 KJ/m <sup>2</sup> (gap,23 $^{\circ}$ C,KJ/m <sup>2</sup> )	57.8 KJ/m <sup>2</sup>	
	impact strength	$\geq$ 20.0 KJ/m <sup>2</sup> (gap,-25 $^{\circ}$ C,KJ/m <sup>2</sup> )	77.2 KJ/m <sup>2</sup>	
	flexural modulus	$\geq$ 150MPa	318MPa	
	Density*	0.890-0.915 (g/cm <sup>3</sup> )	0.896g/cm <sup>3</sup>	
Inspection conclusion: According to the enterprise standard QB/MRM-FP-29-03, the product is qualified.				
Note: Test items with "*" shall be tested once a year. This report is only responsible for this sample.				

