TPE Characteristics

EXCELLENT GOOD MEDIUM POOR	G	D	V	TPO
Wide hardness range				
Does not require vulcanisation-quite higher saving on the processing costs		•	•	•
Remains flexible at low temperatures				
High temperature resistance		0		
Electrical insulator with very low conductivity				
Has grades with very low compression set				
Grades having excellent abrasion resistance				
Excellent tear resistance				, .
100% recyclable		•		.
PVC free				
Resistance to solvents		0		
Resistance to oil				
Resistance to acids, bases and detergents				
Resistance to UV and ozone				
Resistance to bacterial and fungus growth				
Has low toxic potential, with many grades conforming with FDA regulations			•	
Halogen free flame retardancy (V0-V1-V2)				~
Colored grades available		•		
Allows direct colouring during processing by utilizing PP or PE based color		•		•
2-shot molding onto wide range of plastics		2 -		7, 6
Suitable for co-extrusion process		•		
*				